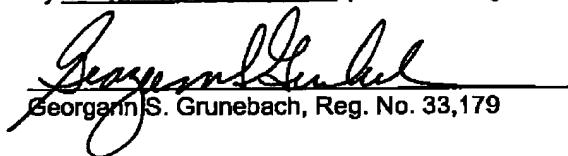


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By Georgann S. Grunebach (Name of Registered Representative)


Georgann S. Grunebach, Reg. No. 33,179


(Date of Signature)

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Customer No. 020991

Patent
Docket No. PD-89418A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of

Date: April 5, 2005

Donald C. D. Chang, et al.

Serial No.: 09/973,270

Group Art Unit: 2634

Filed: 10/05/2001

Examiner: Wong, Linda

For: SAMPLING TECHNIQUE FOR DIGITAL BEAM FORMER

AMENDMENT

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated January 25, 2005, please enter the following amendments and remarks.

FAX COVER SHEET

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 Supervising Examiner: Stephen Chin
UNITED STATES PATENT AND TRADEMARK OFFICE
 Examiner: Linda Wong
 Supervising Examiner: Stephen Chin
 Pages: Cover +1 +9 +1 = 12
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 From: Georgann S. Grunebach, Reg. No. 33,179

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Assistant General Counsel DIRECTV

Fax: (703) 872-9306
 Phone: (571) 272-6044
 Phone: (571) 272-3056
 Date: April 5, 2005

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A handwritten signature of Georgann S. Grunebach in black ink.

Georgann S. Grunebach, Reg. No. 33,179

Date

Please find attached re:

Inventor: Donald C.D. Chang, et al.

Serial No.: 09/973,270

Filed: October 5, 2001

For: SAMPLING TECHNIQUE FOR DIGITAL BEAM FORMER

- > Amendment Transmittal
- > Response to PTO Communication of January 25, 2005
- > Amended Figure 2 – Replacement Sheet 2 of 3

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If you do not receive all pages, or pages are not clear, please call Karen Lum at (310) 964-0735.
 The DIRECTV Group, Inc., RE / R11 / A109, P.O. Box 956, El Segundo, CA 90245-0956

CUSTOMER NO.: 020991

PATENT
Docket No. PD-89418A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Donald C.D. Chang, et al. : Date: April 5, 2005
 Serial No. 09/973,270 : Group Art Unit: 2634
 Filed: October 5, 2001 :
 For: SAMPLING TECHNIQUE FOR DIGITAL BEAM FORMER : Examiner: Linda Wong

AMENDMENT TRANSMITTAL LETTER

Mail Stop Amendment
COMMISSIONER FOR PATENTS
 P. O. BOX 1450
 ALEXANDRIA, VA 22313-1450

Sir:

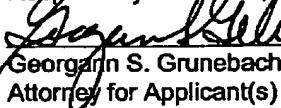
Transmitted herewith is an amendment in the above-identified application.
 Applicant petitions for an extension of time for _____ months(s) to respond to the Office Action dated _____ . If an additional extension of time is required, please consider this a petition therefor. Fee \$ _____
 An extension for _____ months(s) has already been secured; the fee paid therefor is deducted from the total fee due for the total months of extension now requested. \$ _____ Extension fee due with this request \$ _____
 Applicant believes that no extension of time is required to respond to the Office Action dated January 25, 2005. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.
 No additional fee for claims is required.
 The fee for claims has been calculated as shown below:

CLAIMS AS AMENDED

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
TOTAL CLAIMS	17 minus	20* =	0 x	\$ 50.00	\$ -0-
INDEPENDENT CLAIMS	4 minus	4* =	0 x	\$ 200.00	\$ -0-
MULTIPLE DEPENDENT CLAIMS			x	\$ 360.00	\$ -0-
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:					\$ -0-

Charge \$-0- to Deposit Account No. 50-0383 of The DIRECTV Group, Inc. (formally Hughes Electronics Corporation), El Segundo, California. Please charge any additional fees for claims or credit overpayment to Deposit Account No. 50-0383. If any additional extension fee is required, please charge to Deposit Account No. 50-0383.

Respectfully submitted,



Georgann S. Grunebach, Registration No.: 33,179
 Attorney for Applicant(s)

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Georgann S. Grunebach, Reg. No. 33,179Typed or printed name of person
 Transmitting correspondence

 Signature of person
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 The DIRECTV Group, Inc.
 Patent Docket Administration
 PO Box 956, RE/R11/A109
 El Segundo, CA 90245-0956
 Telephone: (310) 964-4615
 Date: April 5, 2005

* If less than 20, insert 20
 ** If less than 3, insert 3